

ACADEMY

Newsletter

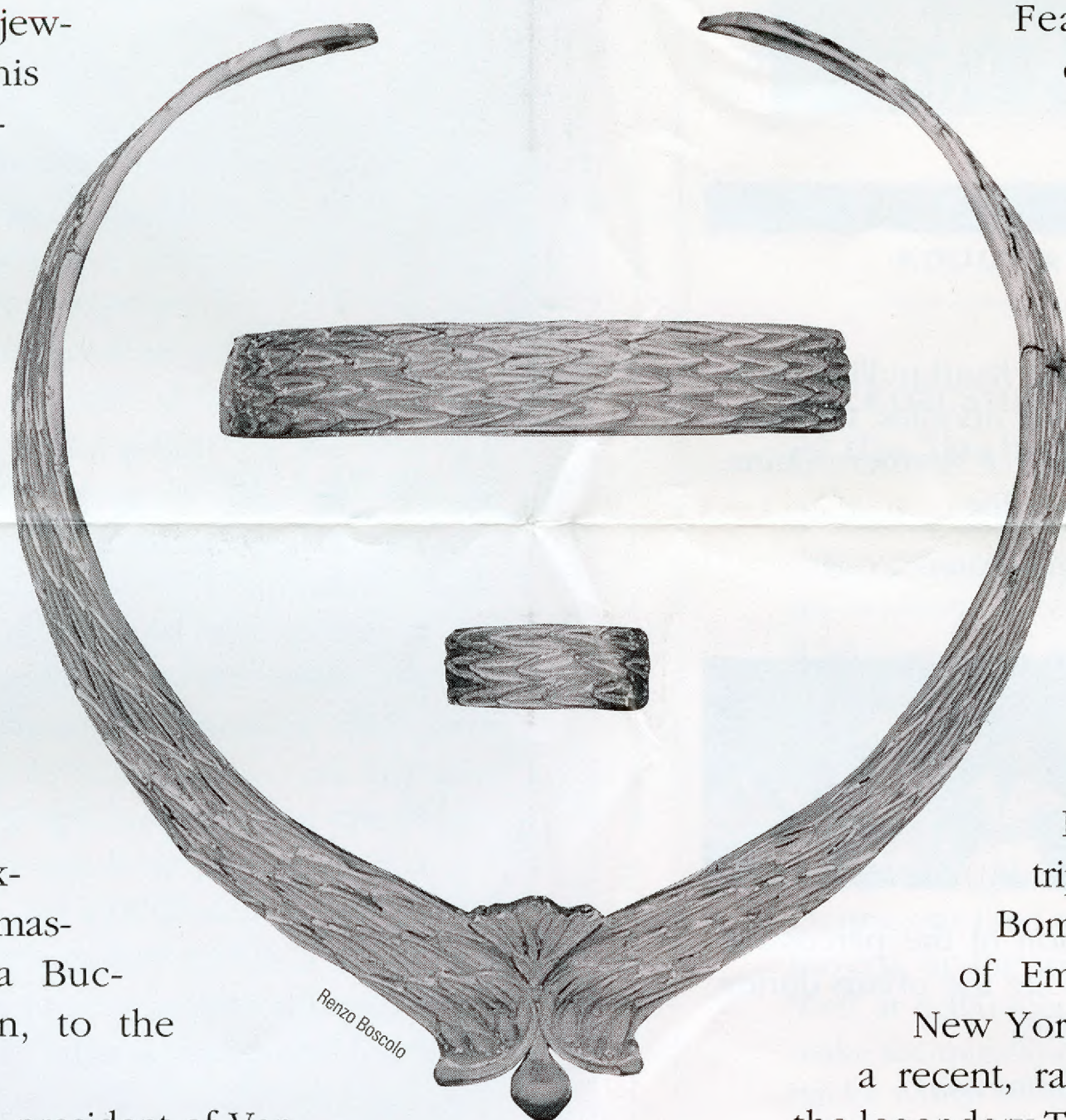
DEDICATED
TO SCIENTIFIC
RESEARCH AND
EDUCATION,
INSPIRING
RESPECT FOR
THE NATURAL
WORLD

THE MASTER JEWELERS OF THE WORLD

with Larry E. French ❀ June 14, 2 p.m. & 7:30 p.m.

If you love the art of jewelry, then don't miss this extraordinary presentation about the family history of the major jewelry houses and a comparison of their artistic styles. Larry French is a renowned authority on jewels and a gifted raconteur. Showcasing rare gems and historical jewels, he'll discuss royal jewels, legendary stones and their myths, and unusual special commissions. He helped bring the "Buccellati" exhibit, which showcases 14 masterworks from Gianmaria Buccellati's private collection, to the Academy's Gem Room.

❀ French is a former vice president of Van Cleef & Arpels and is currently the president of Buccellati. He has traveled the world on their behalf and has a rare perspective on the great jewelry houses.



Featured jewelers are Boucheron, Buccellati, Peter Carl Faberge, Lalique, Van Cleef & Arpels, and Harry Winston & Co.

❀ Among his light-hearted topics will be his dealings with Elizabeth Taylor, Armand Hammer, Elton John and others. He'll fascinate you with anecdotes from 25 years of travel in the employment of Van Cleef & Arpels and later Buccellati.

His adventures range from a trip to "steal" a jade dagger in Bombay, to carrying the crown of Empress Josephine through New York customs in a gym bag, to a recent, rather tension-filled trip, to the legendary Topkapi Museum in Istanbul.

Please present your membership card at the Academy's entrance and again at the auditorium. This members meeting is provided as a benefit of membership. It is only open to members of the Academy.

IN MEMORY OF
PLANETARIUM'S
FIRST DIRECTOR
GEORGE BUNTON,
1910-1995



George Bunton was the first director of the Academy's Morrison Planetarium, which opened in 1952. As curator of the department of astronomy and manager of the planetarium, George had the challenge of writing and producing planetarium shows in a world where only a few planetariums existed. In fact, Morrison was only the seventh major planetarium in the United States.

As Morrison's director for 11 years, George had a great insight into the way astronomy is best explained in a planetarium environment. He was a teacher and the planetarium was his classroom. As early as 1954 we were annually hosting as many as 55,000 students to the school shows and 150,000 to the public shows.

George redesigned and built many of the mechanical parts and projectors that are still in use today. Under his guidance, we performed the first major overhaul of the star projector just before George left to become the director of the Bishop Planetarium in Hawaii. He left us in good shape as a well established part of the Bay Area community and of the planetarium community at large.

Steve Craig, Director Morrison Planetarium

ACADEMY TRAVEL



Yucatan: Land of the Maya

The Yucatan Peninsula offers the greatest monuments of Maya civilization set against a backdrop of tropical rain forests and Caribbean beaches.

This tour, led by Chuck Cecil and Richard Hansen, offers a comprehensive overview of the region's cultural and natural riches with visits to the magnificent Maya ceremonial centers.

Jan. 6–20; Tour cost: \$3,090 per person (based on double occupancy), plus airfare

The Andes of Chile and Argentina

Travel south from the cosmopolitan city of Santiago to a land of volcanos, fjords, condors, penguins, glaciers and windswept plains. With guide Gary Williams, you'll explore Torres del Paine National Park, glacier-fed Lake Todos Los Santos and two great glaciers — Upsala Glacier and the 30,000-year-old Periot Moreno Glacier.

Nov. 18–Dec. 2; Tour cost: \$4,190 per person (based on double occupancy), plus airfare

For more information and detailed itineraries on these and other 1995 tours, please call the travel office at 750-7348.



TRADITIONAL ARTS



Chinese Noodle Making

Teh Chun Wang demonstrates the hand-pulling techniques used for making 5-foot-long noodles. Originating in the wheat-growing provinces of Northern China, the noodles (*mein*) symbolize long life.

Sat., June 17 — 1 p.m. to 2 p.m. (Auditorium)

Brazilian Candomblé

Rooted in West African belief systems, *candomblé* is a Brazilian folk religion with a pantheon of deities called *orixas*. Members of Ginga Brazil and Gingarte perform an interpretation of the percussion music and ritual dances that invoke the *orixas* during healing and purification ceremonies.



Sat., June 24 — 1 p.m. to 2 p.m. (Auditorium)

Explore cultural traditions from around the world. Free after general admission. Call 750-7164 for information.

FESTIVAL of Fragrance

Bring your nose to the Academy for a scent-sational celebration in honor of National Sense of Smell Day, Saturday, **June 10**, 11 a.m. to 4 p.m. Learn what the nose knows through a variety of interactive sensory presentations.

Aromatic activities include making potpourri sachets to take home and experiencing fragrant flowers and herbs, both living and dried. An Academy scientist will discuss the ways plants use their odors to attract pollinators and defend against predators, and the ways humans take advantage of pungent plants for food. The Academy Store will feature books about odor and the sense of smell.

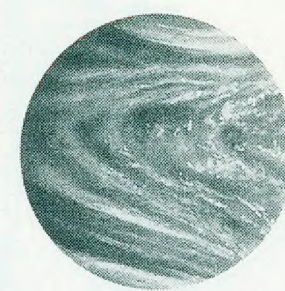
The event is co-sponsored by the Olfactory Research Fund, a nonprofit organization dedicated to financing research related to unraveling the mysteries and importance of the sense of smell. For more information, please call the education department at 750-7100.

MORRISON PL

Encounter with a Giant

Feature Sky Show: Take a voyage with the Galileo spacecraft as it approaches the end of its five-year journey towards Jupiter. Armchair astronauts will get a close look at that giant planet and its gaseous cousins, Neptune, Saturn and Uranus, the largest worlds in the solar system. This show explores the moons of these planets and, with the help of images taken by the Hubble Space Telescope, delves into recent mysteries such as storms on Saturn and the disappearance and reappearance of Neptune's Great Dark Spot. Presented daily June 16 through Sept. 10 at 2 p.m. weekdays/2 p.m. and 4 p.m. weekends.

Current Sky Shows: The Planetarium will be CLOSED for sky show changes June 12–15. It will reopen June 16 with "Encounter With a Giant." Children five and under are free with adult supervision and a child's pass, available at the box office. However, shows are not generally recommended for preschoolers.



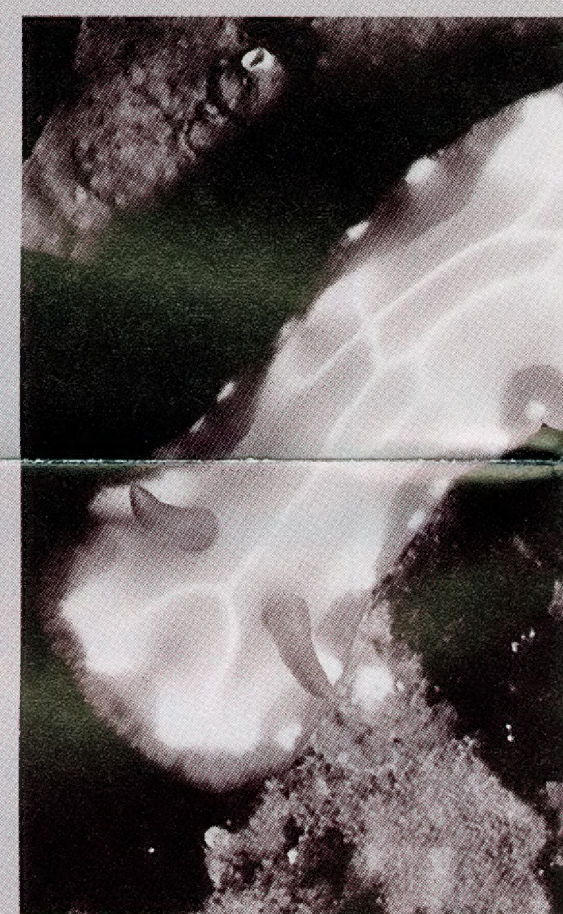
SURPRISING

DONOR'S GIFT LEADS INTERN TO

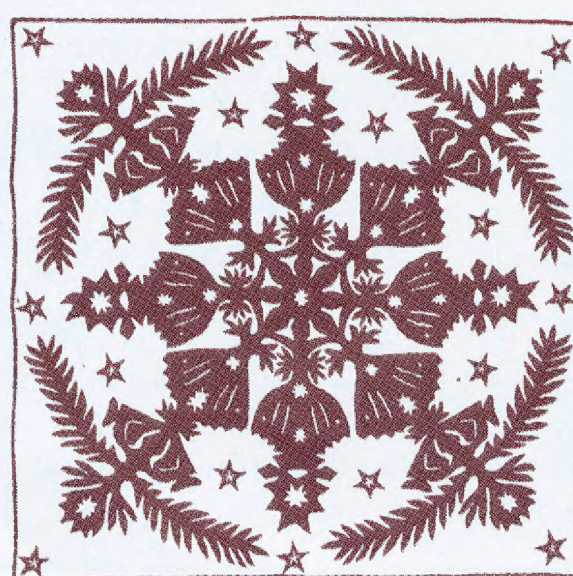
Academy scientist Dr. Terry Gosliner is one of the world's few experts on opisthobranchs — sea snails and their relatives without shells. Each opisthobranch has a highly specialized diet. As a group, they prey on thousands of organisms in the food web, including some of the most toxic species in the marine environment. Despite their important role, not even Gosliner knows exactly how many species of sea slug exist.

Enter Academy donor Dr. Robert T. Wallace, creator of the Wallace Internship, which matches a college junior or senior with an Academy scientist for a summer research project. With his support, UCLA biology major Robyn Draheim joined Gosliner's research team last June. Draheim analyzed more than 100 years of data on opisthobranchs of the Indo-Pacific — the region stretching from Africa to Hawaii — and found some startling results. Previous estimates placed the number of opisthobranch species at 3,000 worldwide. Draheim's research accounted for 3,400 species in the Indo-Pacific alone!

After working with Chevron for 36 years, Wallace was looking for a way to make a lasting contribution to science, to young people and to his community. "I was always impressed," he explains, "with the number of schoolchil-



Hawaiian Day at the Academy



Demonstrations of Hawaiian indigenous crafts, including lei making, the fashioning of *Ipu Heke* (gourd rattles), coconut leaf hat weaving and quilting will honor the heritage of the native islanders of Hawaii, Saturday, **July 1**. The Traditional Arts program will offer these special ongoing presentations from 11 a.m. to 3:30 p.m. in the Academy's auditorium to celebrate Hawaiian Culture Week in the Bay Area (June 30 through July 5).

In addition to the ongoing demonstrations, at noon the Olena Blend Hawaiian Band will captivate you with their music and at 1 p.m. Mahealani Uchiyama will

pre-
The
Play
craft
Mar
Lilli
to h
her
bui
syst
vati
othe
sore
Ass
coin
Fran
out

June Schedule

Sky Show / Description	weekday	weekend
Extremes / cosmic record holders (closes June 11)	—	1 & 3 p.m.
Realm of the Galaxies / the secrets they hold (times beginning June 17)	2 p.m. —	2 & 4 p.m. 1 & 3 p.m.
Encounter With A Giant / the solar system's largest planet (opens June 16)	2 p.m.	2 & 4 p.m.
StarTalk / tour of the night sky	—	noon
Touch the Stars / a family show (closes June 25)	—	11 a.m.

For more information, please call 750-7141.

G SEA SLUGS

UNCOVER AMAZING BIODIVERSITY



Jerry Gosliner

dren at the Academy having a great time and trying to learn something about science.” Citing a professor’s influence on his own decision to earn a Ph.D. in entomology, Wallace hopes his internship will allow more young people to pursue science careers. He worked with the Academy’s development department to create a permanently endowed fund for the internship through a creative combination of gifts: annual contributions, matching gifts from his former employer, Chevron, a Pooled Income Fund gift (providing lifetime income to Wallace and a future endowment to the Academy) and a planned bequest from his estate.

As a result of Draheim’s internship, her work will be presented by Gosliner at an international conference this month in Hawaii. Since graduating from UCLA in December, she has been offered a three-year fellowship at the College of William and Mary to pursue her Ph.D. in ecology. Wallace hopes others will consider supporting science education at the Academy, “because they are doing a great job in research and education.” For information about the 1996 Wallace Internship, call 750-7351. To learn about research funds and ways to accomplish financial and charitable objectives, call 750-7216 or request information through the order form on the back of this newsletter.

ent beautiful traditional dance. Hayward Hawaiian Ukelele ers will perform at 2:30 p.m. The presentations will feature artists k Hoomalu, Hollis Baker and n Macedo. Hawaiian Week has been declared onor the people whose maritime age includes the skill of the boat der and a highly developed em of navigation through obser- on of the stars, tidal patterns and r natural phenomena. Co-spon- d by the Pacific Islanders Culture ociation, activities are planned to ide with the arrival in San cisco of the double-hulled gger canoe *Hokule’a* on July 1.

YOUNG AUDIENCES



African-American Culture

A talented storyteller, dancer and singer, Yolanda Rhodes shares the richness of her African-American heritage with audiences of all ages. Her program includes stories and music — from myths and folklore to spirituals, blues, jazz and rock and roll.

Sun., June 11 — 1 p.m.

This family series is presented in the auditorium and is free after general admission. Call 863-1719 for more information.

DANCING TO THE FOSSIL RECORD



Opening July 8

The Academy’s major summer exhibit “Dancing to the Fossil Re-cord,” is an all-out celebration of the history of life’s emergence in the miraculous waters of Planet Ocean. Alaska artist Ray Troll personifies fishes and casts them in the role of a benevolent mother, accentuating the evolution from fish to humans. With his scientifically accurate, humorous and insightful representations of the ocean’s ancient cast of characters — as revealed in the fossil record — you’re sure to enjoy this amazing and memorable adventure through time! Look for more information in the next newsletter.

ADULT & FAMILY EDUCATION



Backpacking the Grand Canyon of the Tuolumne

A five-day backpack trip into the Tuolumne River Canyon cannot be rivaled in all of the Sierra for scenery or climatic diversity. We begin at 8,500 feet in the red fir forest and descend along the path of Yosemite’s largest glacier. Midtrip, we’ll camp with instructor Bill Randolph at 4,400 feet where the Ahwahneechee left grinding stones and pictographs on granite walls. During our final two days we will traverse up the south rim to White Wolf at 8,300 feet. The views will make the muscle-cramping switchbacks worth it! This trip does require that you be in good physical condition and have some previous backpacking experience.



Tuolumne River Canyon

Pretrip meeting: June 7 — 7 p.m. to 9 p.m.

Trip: June 14-18

Cost: \$140 members/\$165 nonmembers

(Does not include gear, transportation or meals)

Summer Birds of the Klamath Basin

Lava Beds National Monument and six wildlife refuges are nestled in the dramatic Klamath Basin along the California-Oregon border. They maintain important nesting areas for numerous water birds. In June, many young birds will be out of the nest. The montane forest and chaparral areas result in a wide variety of land birds. With instructor David Wimpfheimer you’ll explore the marshes and waters of Upper Klamath Lake. Optional accommodations Friday and Saturday nights are available at the Red Lion Inn at Klamath Falls.

Pretrip meeting: June 13 — 7 p.m. to 9 p.m.

Trip: June 16-18

Cost: \$100 members/\$115 nonmembers (no accom-

modations); \$170 members/\$185 nonmembers

(double); \$215 members/\$230 nonmembers (single)

(Does not include transportation or meals)

For more information, contact the adult and family education program at 750-7100.

THE
ACADEMY
STORE



June is for the Birds!

Flock to the Academy Store for a wide selection of field guides. Bring in this article during the month of June and receive a special discount on binoculars.



SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

4

SPECIAL EXHIBITS

"Buccellati: Artistry in Gemstones & Gold," through Sept. 4
"Birds of a Feather," extended showing
"Hands On Science," extended showing

PERMANENT EXHIBITS

THE SWAMP: Tropical foliage and a waterfall make this a perfect home for frogs, snakes, lizards and alligators.

11

African-American Culture, 1 p.m. (Young Audiences)

18

LASERIUM SHOWS

Thursday-Sunday, evenings, call 750-7138

25

"Touch the Stars" sky show closes

12

Planetarium closed through the 15th for show changes

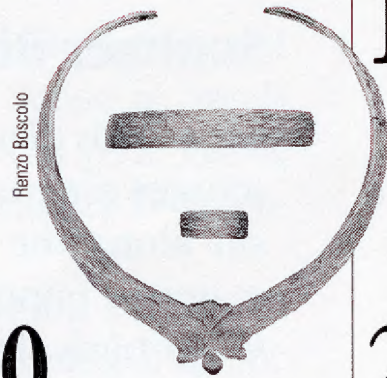
19

PENGUIN FEEDINGS

are at 11:30 a.m. and 4 p.m. every day

26

20



PLANETARIUM SKY SHOWS

on weekdays at 2 p.m.

27

14

The Master Jewelers of the World, 2 & 7:30 p.m. (Members Meeting)

21

Summer Solstice, 1:35 p.m.

28

DOLPHIN FEEDINGS

are at 10:30 a.m., and 12:30, 2:30 and 4:30 p.m. every day

1

SPECIALTY TOURS

Free one-hour tour at 1:30 p.m. on Tuesdays in Aquarium; Wednesdays in Life Through Time; Thursdays in Wild California. Highlight tours are offered daily.

8

15

SCIENCE IN ACTION

General programs Sun.-Fri. at 11 a.m. Children's programs Sat. at 12:30 & 3 p.m.; this month's topic is a celebration of Rain Forests.

22

29

2

PLANETARIUM SKY SHOWS

on weekends at 11 a.m., and at noon, 1, 2, 3 and 4 p.m.

9

16

Planetarium reopens with "Encounter With A Giant"

23

30

FISH ROUND-ABOUT REOPENS

3

10

Festival of Fragrance Day, 11 a.m.-4 p.m. (Special Event)

Tomorrow's Table, 1 p.m.-5 p.m. (Rietz Food Technology Symposium)

17

Chinese Noodle Making, 1 p.m. (Traditional Arts)

24

Brazilian Candomblé Dance, 1 p.m. (Traditional Arts)

31



JULY DATES TO REMEMBER

July 1 - Hawaiian Day Festivities, 11 a.m.-3:30 p.m. (Traditional Arts)
July 4 - Summer hours begin (9 a.m.- 6 p.m.)
July 8 - "Dancing to the Fossil Record" exhibit opens



UPCOMING MEMBERS MEETINGS

July 12 - Dancing to the Fossil Record, with Ray Troll and Brad Matsen
Aug. 9 - Biology of the Coral Reefs of the Western Pacific, with Gary Williams
Sept. 13 - Portrait of a Nepalese Hill Woman, with Broughton Coburn

ORDER FORM

California Academy of Sciences
Golden Gate Park
San Francisco, CA 94118

Non-Profit Organization
U.S. Postage Paid
Permit No. 3565
San Francisco

Address Correction Requested

RIETZ FOOD TECHNOLOGY FOUNDATION SYMPOSIUM

Qty/Mem. Qty/Nonmem. Total

Tomorrow's Table / Jun 10

x \$20

x \$22

=

TOTAL \$

For more information, please call 750-7163

GIFT MEMBERSHIP

I wish to give a gift membership to:

Address:

City:

State:

Zip:

Phone:

☐ \$50 Family/Grandparent ☐ \$40 Individual ☐ \$35 Dual Senior ☐ \$30 Senior/Student

PLANNED GIFTS

☐ Please send me information on how the Academy can help accomplish my financial and charitable goals.

DONATIONS

I would like to support the Academy with a donation. \$

TOTAL PAYMENT ENCLOSED \$

PAYMENT METHOD

(Check one) ☐ Check ☐ VISA ☐ MasterCard ☐ American Express

Credit card charges gladly accepted over \$10.

Card#

Exp. Date

Signature

MAKE CHECK PAYABLE TO: C.A.S. and mail with this coupon form to:

Membership Office, Ticket Services
California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118
Daytime Phone

Include a self-addressed, stamped envelope for each series to which you subscribe.
No refunds/exchanges.